

RU 32309 U1  
INFORMATION AND NAVIGATION SYSTEM

CLAIMS OF UTILITY MODEL

1. An information and navigation system consisting of a memory unit for storing a digital place map, a unit for searching for an object or objects from a description of properties thereof, a unit for determining a motion route from a current site to a trade, service or infrastructure object or objects, said system being characterized in that it is provided with a memory unit for storing data of trade, service or infrastructure objects positioned at the place, goods and/or services proposed by the object or objects, while the memory unit for storing the digital place map contains data of the objects positioned at the place, the unit for searching for the object or objects from the description of properties thereof and the unit for determining the motion route from the current site to the trade, service or infrastructure object or objects are connected between each other in such a manner that said unit for searching for the object or objects provides searching for a necessary good and/or service proposed by the object or objects and displaying selected objects, goods and/or services and/or a motion route to the selected object or objects.

2. A system according to claim 1, characterized in that it comprises a processor coupled by control buses and a data bus to a memory unit comprising a program, to a memory unit containing a digital data of the place map, to a memory unit containing digital data of the objects positioned at the place, to the unit for searching for the object or objects from the description of properties thereof, to a unit for selecting objects in accordance with requested data, to a display unit, to the unit for determining the motion route from the current site to the object or objects, to a message generator and a matching unit coupled to a signal transceiver and a signal receiver, respectively, for example, GPS ones.

3. A system according to claim 2, characterized in that the transceiver is a mobile telephone transceiver, for example, a GPS transceiver.

4. A system according to claim 2, characterized in that the unit for selecting objects in accordance with requested data is capable of selecting objects in accordance with preset properties of goods and/or services and also determining a route to the selected objects and providing displaying route selection results in the display unit.

5. A system according to claim 4, characterized in that said selecting unit is designed

to determine a minimum price of a good the user is interested with in accordance with the object selection results with taking into account preset consumer properties.

6. A system according to claim 4 or 5, characterized in that said selecting unit is capable of providing displaying all place objects that can provide an interesting good and/or service, and prices thereof.

7. A system according to any one of claims 4 to 6, characterized in that said selecting unit is capable of selecting objects according to all combination of selection criteria indicated in claims 4 to 6.

8. A system according to claim 1, characterized in that it is capable of displaying place object coordinates on the digital place map along with an initial user's position point.

9. A system according to claim 1, characterized in that the place object data is an object name and/or telephone and/or telex and/or fax and/or e-mail address and/or web address and/or mail address, and/or surnames of particular persons and/or logo and/or character and/or symbol and/or an alpha-numerical combination.

10. A system according to claim 2, characterized in that the unit for selecting objects in accordance with requested data is capable of determining a route being shortest in a path length for traveling to the object.

11. A system according to claim 2, characterized in that the unit for selecting objects in accordance with requested data is capable of determining a route being shortest in a time with taking into account traffic lights for traveling to the object.

12. A system according to any one of claims 2 and 11, characterized in that the unit for selecting objects in accordance with requested data is capable of determining a route with the smallest number of traffic lights.

13. A system according to any one of claims 2 and 10 to 12, characterized in that the unit for selecting objects in accordance with requested data is capable of determining a route with a minimum number of turns and U-turns.

14. A system according to claim 2, characterized in that characterized in that the unit for selecting objects in accordance with requested data is capable of determining a route with taking into account running in the immediate vicinity of objects set by a user.

15. A system according to claim 2, characterized in that the unit for selecting objects in accordance with requested data is capable of displaying times of running along routes.

16. A system according to claim 2, characterized in that the unit for selecting objects in accordance with requested data is capable of displaying a travel route.

17. A system according to claim 2, characterized in that the unit for selecting objects

is capable of taking into account the prices for goods and services.

18. A system according to any one of claims 1 to 17, characterized in that the memory unit for storing data objects contains digital object photos and/or digital object data.

19. A system according to any one of claims 2 to 17, characterized in that the display unit is capable of three-dimensional displaying objects.

20. A system according to any one of claims 1 to 19, characterized in that it is positioned in a stationary point.

21. A system according to any one of claims 1 to 19, characterized in that it is positioned in a mobile point.